

METALFORM

MASTERS OF METAL

**OS2 65 - Inward and Outward Opening Doors
and Windows**

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Galvanized Steel

OS2 65 - Inward and Outward Opening Doors and Windows

Description: Supply and installation of doors, windows, and facades, in fixed and openable sashes, for inward and outward opening doors and windows, built with thermal break profiles Secco Sistemi OS2 65.

Frame Construction: The frame sections are made by seamlessly joining two metal shells (one whole and one external) with extruded polyamide filled with fiberglass and joined to the parts by high-density polyurethane resin. The metal shells are obtained by cold-rolling profiling strips of steel with a thickness of 15/10, hot-dip galvanized using the "Sendzimir system" with a skin-passed finish (FeP02 GZ 200), zinc coating ≥ 200 gr/sqm, conforming to UNI EN 10142/3/7 and EURONORM 143 standards.

Assembly: The folding unit must be kept open to allow insertion of stainless steel alignment brackets, even in the case of continuous surface welding. Assembly of the frames is carried out by continuous welding of the contact surfaces followed by grinding and restoration of the surface finish.

Minimally Visible Sections: The system provides for internal and external overlapping of the profiles. The minimally visible sections include: fixed side node measuring 27 mm, side sash node measuring 47 mm, central node for the two wings measuring 62 mm, with a mandatory depth of 65 mm.

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Frame Options: Frames can have all nodes starting from 62mm and identical to each other, or distinct nodes for fixed and openable parts, minimizing their dimensions as much as possible.

Sealing System: Water, air, and wind sealing system for inward opening windows with triple mortise gasket (two sealing levels, one of which is open-joint), for outward opening windows, and for doors with double mortise gasket (one level of closed joint gasket). Mobile sill for floors for doors. Corten steel screw-on water drains are provided in the windows.

Frame Completion: The frames are complete with glass, fixed with glazing beads in galvanized steel, spaced from the external surfaces by EPDM or silicone gaskets, and from the internal surfaces by pressure-inserted EPDM gaskets. Doors and casement windows are equipped with hinges to be screwed on, adjustable and available with two wings (Ø12 mm for capacities up to 50 kg per sash) or with three wings (Ø15 mm for capacities up to 100 kg per sash).

Locking System: Internal bolt locking system with a lower and upper end, and a sufficient number of additional locking points depending on the size of the opening doors.

Finishing: The surfaces are varnished with powder at a temperature of 180° for 25 minutes in a furnace.

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Handles: Handles are available in different shapes, materials, and finishes, including raw brass to be varnished.

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